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## **10. RISK TO EXPORT WATER SUPPLIES**

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**DRAFT - For Discussion Only**

**Distinguishing Characteristics**  
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**E - 0 0 1 5 4 5**

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## Risk to Export Water Supplies Supporting Information

Risk to export water supply facilities and operations can change depending on the method of Delta conveyance and the amount of storage available to weather an interruption in exporting water. While the levee system integrity program seeks the same level of protection for all alternatives, risk to the export water supply is lessened by alternatives using an isolated Delta conveyance. The alternatives with the lowest risk to water supply will be given the highest ranking.

### Definition

“Risk to Export Water Supplies” is intended to provide a measure which alternatives best reduce the risk to export water supplies from a catastrophic earthquake.

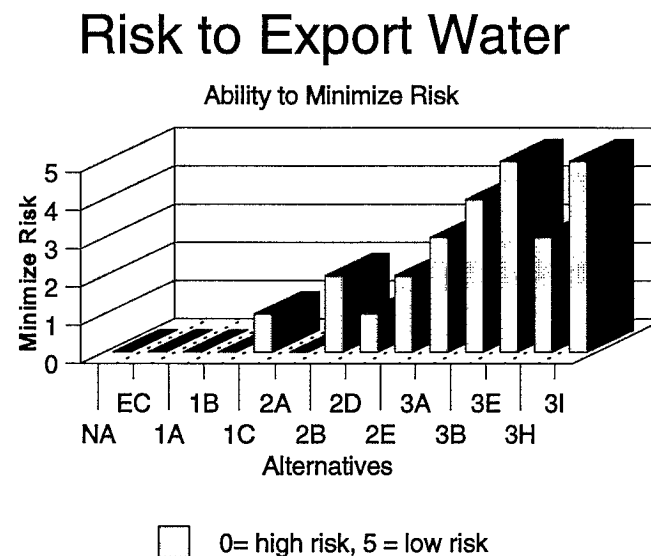
### Summary

Those alternatives continuing to rely on Delta channels for conveyance of water to the export pumps have inherently more risk than those that don't. Alternatives with more storage are better able provide a reliable water supply incase the export system is shut down by an earthquake.

The chart at right shows how well each alternative minimizes risk to the export water supply. A score of 0 eliminates little or no risk compared with the existing condition and no-action alternative. A score of 5 eliminates most of the risk due to potential shut down from a catastrophic earthquake.

### Supporting Information for Table 10.1

See table 10.1.



## 10. Risk to Export Water Supplies

Consider:

- earthquake risk to conveyance
- flood risk to conveyance
- available storage south of Delta

To  
Decision  
Matrix



**Table 10.1 Summary**

Alternative	Description of Risk	Overall Score
Exist. Cond.	Relies all on Delta channels	0
No-action	Relies all on Delta channels	0
1A	Relies all on Delta channels	0
1B	Relies all on Delta channels	0
1C	Uses Delta channels but surface storage somewhat reduces risk	1
2A	Relies all on Delta channels	0
2B	Uses Delta channels but larger surface storage reduces risk	2
2D	Uses Delta channels but has mainly aqueduct storage	1
2E	Used Delta channels but larger surface storage reduces risk	2
3A	Small isolated facility significantly reduces risk for a portion of exports	3
3B	Small isolated facility and larger surface storage significantly reduces risk	4
3E	Large isolated facility significantly reduces risk for most exports	5
3H	Small isolated facility significantly reduces risk for a portion of exports	3
3I	Large isolated facility significantly reduces risk for most exports	5

Values are on a scale from 0 to 5; with 0 representing the highest risk and 5 represented the lowest risk.